CORROSION

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NATIONAL ASSOCIATION
OF
CORROSION ENGINEERS

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VOLUME 14

JANUARY THROUGH DECEMBER

1958

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CORROSION ABSTRACTS

As Published in

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PAGE NUMBERS BY MONTHS

INDEX TO TECHNICAL SECTION

CORROSION

VOLUME 14

JANUARY 1—DECEMBER 31

1958

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* Articles under this heading are not indexed in the alphabetical subject index published herein. They are indexed in Corrosion Abstracts and other abstract publications of NACE.

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* The following designations apply to the several groups listed under 8. INDUSTRIES:

1. Air conditioning, architecture and building, refrigeration, sewage and water.
2. Communications, power.
3. Agriculture, beverage, dairy, fermentation, food, sugar, starch.
4. Fuel, solids; fuel, gases; petroleum refining and production, rubber, atomic energy.
5. Ceramics, glass, pulp and paper, wood products.
6. Laundry soap and detergents, textile.
7. Graphic arts, instruments, jewelry, photography.
8. Chemical manufacturing, distilled liquor, electroplating, leather and tanning, metal fabrication and finishing, pharmaceuticals.
9. Aircraft, automotive, pipe line, railroad, shipping.
10. Explosives, metallurgy, mining ordnance and war materials, other.

ERRATA—CORROSION, Volumes 13 and 14

Corrosion Products of Mild Steel in Hydrogen Sulfide Environments by F. H. Meyer et al. *Corrosion*, Vol. 14, No. 2, 109t-155t (1958) Feb.

Page 113t, column 1, line 11 should read:

10. Figure 9 shows that the reactions

On page 110t, two changes should be made in Table 1. In first line of column 3 the formula for crystal structure type for kansite should read

$\overline{CoSs}$

instead of C_9OS_8. In line 4 of column 7, the magnetic susceptibility of phrrhotite should read

Ferrimagnetic

instead of Ferromagnetic

On page 114t, column 3, lines 8 and 9, statement (2) beginning "more hydrogen ions . . . " should be deleted.

Methods for Increasing the Corrosion Resistance of Metal Alloys by N. D. Tomashov. *Corrosion*, Vol. 14, 229t-236t (1958) May.

On page 235t, line 25, column 1, should read:

strength aluminum alloys with 5-9 per-

Electrical Measurements and Their Interpretation in Underground Cable Corrosion Problems by K. G. Compton. *Corrosion*, Vol. 14, 237t-244t (1958) May.

Chart at bottom of Figure 7 should be removed and the chart pictured below substituted. Top portion of figure should remain unchanged.

The corrected Figure 8 (bottom right column) should be substituted for the original Figure 8.

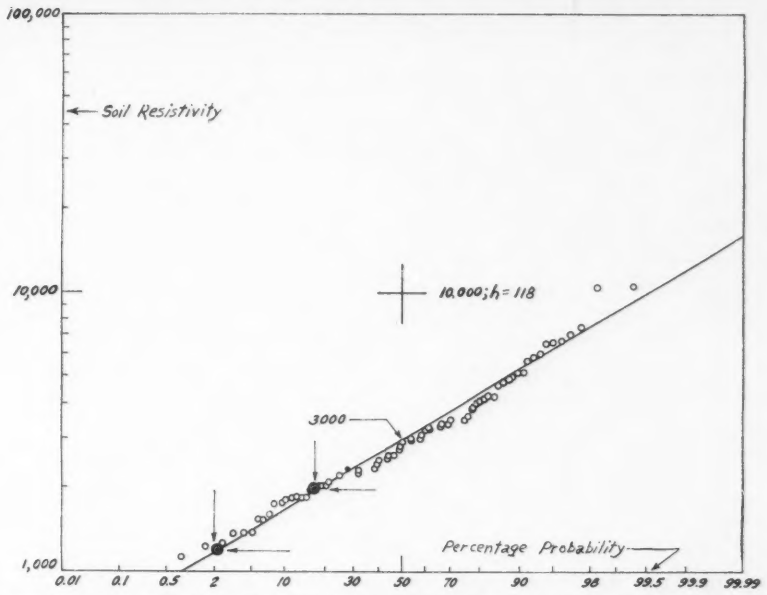

Figure 3—The soil resistivities conform well to a straight line. The black dots indicated by the arrows show with respect to resistivity where leaks have occurred on the 18 miles of pipeline.

The Distribution of Soil Conductivities And Some Consequences by Gordon N. Scott. *Corrosion*, Vol. 14, 396t-400t (1958) Aug.

The illustration pictured above should be substituted for Figure 3.

December Discussion Section (Corrosion in Light Oil Storage Tanks by E. H. Tandy). *Corrosion*, Vol. 13, No. 12, 838t (1957) December.

Heading in Column 1 reading "Comments by Ivy M. Parker . . . " should be amended to read:

Comments by Forest Baskett, Sheet Metal Engineers, Inc., Houston, Texas.

	METER READING IN VOLTS					REMARKS
1	C–A −0.58	C–B −0.64	C–B′ −0.63	C–D −0.70	C–D′ −0.68	CABLE RECEIVING CURRENT
2	A–B −0.060	A–B′ −0.050	A–D −0.120	A–D′ −0.100		
3	C–A −0.58	C–B −0.50	C–B′ −0.51	C–D −0.42	C–D′ −0.41	CABLE DISCHARGING CURRENT
4	A–B +0.080	A–B′ +0.070	A–D +0.160	A–D′ +0.170		
5	C–A −0.58	C–B −0.64	C–B′ −0.51	C–D −0.70	C–D′ −0.41	TRANSVERSE CURRENT
6	A–B −0.060	A–B′ +0.070	A–D −0.120	A–D′ +0.170		

Figure 7—Lateral potential gradient measurements.

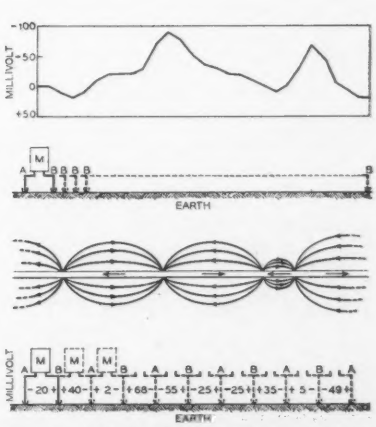

Figure 8—Surface potential gradient measurements.

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